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KODALITH STRIPPING FILM

1. In response to numerous Agency requirements for stripping film the Eastman Kodak Company has provided a 35 mm film similar to the Kodak Special Spectroscopic Film SO 991. The film is a Kodalith Panchromatic emulsion on a thin base. The base is about .00325" thick and the emulsion is about .001" thick. The film is 35 mm wide and is so perforated that it can be used with the majority of 35 mm cameras. It is noted, however, that because of the extremely thin base, approximately twice as many exposures can be stored in the conventional 35 mm film cartridge. A strip of film which will easily take 80 exposures has been conveniently rolled into such cartridges; however, no excessive drag has been experienced in the standard test applications due to this unusual loading length. Furthermore, the use of the Leica camera or the Kine Exakta VX has not abused this film in any way. The film perforations were not torn during any of the film advancing procedures. This fact, alone, would be sufficient to indicate the superiority of this film over stripping film previously used, for tearing was definitely a shortcoming in the past.

2. The film has been developed in a variety of process developers with excellent success and Eastman D-11 has been employed in the majority of instances because it is an excellent contrast developer which will keep over long periods quite successfully.

3. In providing this film the Eastman Kodak Company was quite concerned about the possible difficulties that might be encountered when trying to judge the appropriate exposures to be made using this film due to the colored dye backing used in place of the conventional anti-halation backing. It has been determined that it is relatively easy to judge the exposures by holding the film close to a 40 watt bulb while the film is still wet.

4. Experiments to determine the stripping quality of this film have revealed that the unusually thin base present does not wash off of the emulsion any faster than does other film of this type. Furthermore, it was noted that the emulsion stripped very easily and cleanly in the wet stage; however, it is not recommended that the stripping be done in this way because of the difficulty in keeping the emulsion flat and undistorted during the drying stage. It is recommended that the film be stripped when dry.

Photograph 1 shows a piece of processed and dried stripping film being stripped. A jacknife is being employed to loosen the emulsion from its base.

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